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The following committee are suggested:

- a) Committee for metallurgy
- b) Committee for heavy machine construction
- c) Committee for power supply
- d) Committee for coal mining
- e) Committee for chemical raw materials
- f) Committee for mineral deposits

2. Social Sciences

By concentrating on research work in philosophy, history (especially the history of the German people), economy, and law, the Academy in 1953 will extend considerably its activities in the social sciences field.

3. Increasing the productiveness of peoples owned enterprises. The Academy will submit suggestions to the management of a number of leading peoples owned enterprises through which the problem of increased productiveness can be solved by introduction of scientific innovations. The aim is the attainment of a higher production level than prescribed by the Five Year Plan.

4. Contacts with enterprises.

The Academy will enter into contracts with leading enterprises to further, through advice and specialized research, the research work these enterprises are engaged in.

5. Advancement of the textile industry.

In the middle of 1952, through its institute for fiber research, the Academy submitted to the synthetic fiber industry detailed scientific-technical data concerning a new fiber which is especially well suited to replace wool. The Academy is in the process of setting up a committee which will further and control technical development of synthetic fibers to be used for replacing wool.

6. Plastics (Synthetic, high molecular weight materials).

Considering that the metallurgical resources of East Germany are too small to satisfy demands, it is essential to employ plastics at an increasing rate in place of iron and nonferrous metal. Wood also will have to be replaced by plastics. To improve the situation, the Academy will increase its efforts in the field of chemical research, especially research in the field of polyesters and mixed polymers. It is intended to make available in the course of the present Five Year Plan new plastics which can be used in the place of iron and wood in machine construction and construction work.

7. Inorganic chemistry.

The institute for inorganic chemistry of the Academy will work on a number of problems confronting the inorganic chemical industry. Research work will be performed in the field of laws of condensation and hydrolysis of polybasic acids and acid salts. After having gained knowledge of these laws, which are almost unknown up to now, it will be possible to produce new plastics and construction materials based on silicon from silicate raw material, which is readily available.

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It is expected that in 1953 a process for the production of magnesiumhydrosilicates will be made known, which will be a perfect substitute for calcium. Calcium is difficult to obtain in East Germany.

Through its research work in the field of mineral salts, the Academy will show how lye solution, a waste product of the potassium industry, can be put to full industrial exploitation.

8. Research in physics, mathematics and biology.

The physics institutes of the Academy will concentrate their research on scientific production problems. This applies especially to the institutes for gas discharge physics, radiation sources (Strahlungsquellen), physical hydrography, oscillation research, optics and precision mechanics, crystal physics and solid materials (Festkoerper) research.

Statistical methods to be used in the industrial output control will be developed in the field of mathematics. Mathematical aids will be developed in the field of machine construction, and development of computing machines, utilizing new electrical aids, is contemplated.

Studies concerning the improvement of nomographical aids for technicians and engineers have reached a state of advanced development.

In cooperation with the Academy for Agricultural Science (s), special problems in the field of plant breeding, cultivation, plant diseases and their control will be tackled.

9. Medicine.

The Academy will submit to the ministry concerned an exact plan dealing with the intensification of research, control and treatment of diseases causing a premature decrease in the population's working capacity. Theoretical research in the field of cancer control will be improved. The Academy will supply scientific data in the field of dietetics. The aim is to improve the population's state of health, to cut down on time lost on account of disease, and to speed up recovery of convalescents. Finally, the Academy will improve coordination between medical doctors and the pharmaceutical industry as far as quality and quantity of required drugs is concerned.

3. Ulbricht violently attacked the Academy of Sciences in his speech. His particular targets were the Academy administration, the obsolete work done at the Academy, and the need to include scientists in the progress of the national economy. Oelsner attacked the Academy for its tendency to look West: "The basis of research is dialectic materialism which exists only in the East. Science must be undertaken in East Germany and not at congresses in the West."

4. Professor Walter Friedrich, the president of the Academy, delivered the usual confession of sin: The Academy recognizes its past mistakes and promises improvement. His speech was described [redacted] as a shameful piece of criticism and selfcriticism. Prof. Ertel, the vice president of the Academy, originally refused to deliver the programmatic speech but was "convinced" a few days before the meeting that it would be highly advisable to give the speech. He complained later that the East German newspapers had omitted the first part of his speech which pointed out that the basic requirement of an Academy was pure research.

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